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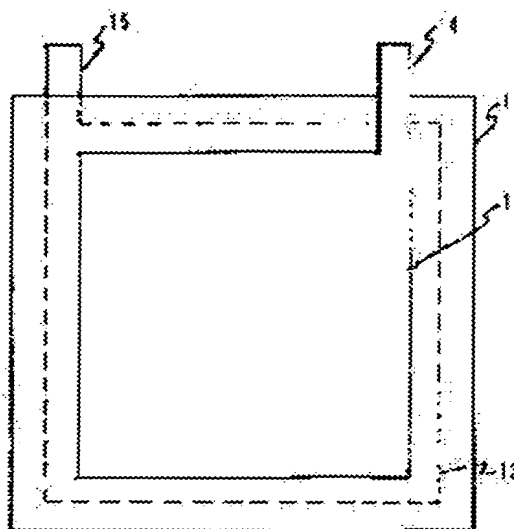
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(54) NON-AQUEOUS SECONDARY BATTERY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a non-aqueous secondary battery excellent in the over-charging safety, free of the risk of liquid leak, capable of operating at room temp., and suppressing dendritic growth of lithium metal during charging and discharging.

SOLUTION: A non-aqueous secondary battery is equipped with a negative electrode sheet 13 containing a negative electrode material capable of occluding and releasing lithium, a positive electrode sheet 11 containing a positive electrode active material, and a non-aqueous electrolyte, characterized by that, a) the positive electrode active material consists of a metal oxide or metal sulfide containing at least one of the vanadium, copper, iron, titanium, molybdenum and chromium and not substantially containing previously any lithium committing itself to the charge and discharge, b) a metal foil chiefly containing lithium is affixed previously to the negative electrode sheet, and c) the non-aqueous electrolyte is of gel form containing organic polymer, aprotic solvent and ammonium salt or alkali metal or alkali earth metal salt.



LEGAL STATUS

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